



EM4432

16-Port 10/100Mbps Switch, 8 PoE ports

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Manual

EM4432 - 16-Port 10/100Mbps Switch, 8 PoE ports

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1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by a five-year Eminent warranty. Please keep this manual and the receipt in a safe place.

Register your product now on www.eminent-online.com and receive product updates!

1.1 Packing contents

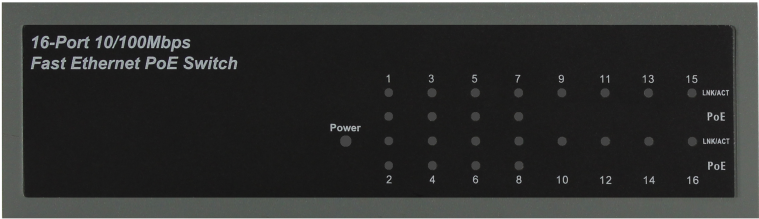
The following parts need to be present in the packing:

- EM4432 16-Port 10/100Mbps Switch, 8 PoE ports
- Manual
- Power cord
- Power supply
- mounting bracket

2.0 Front and rear panel description

2.1 Front panel

Figure 1-1 shows the front panel of the switch.



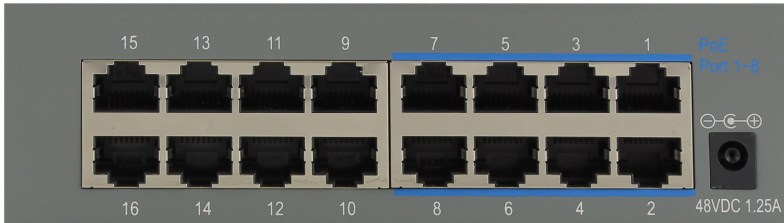
2.1.1 LED Indicator description

You can see the switch's work status by LED indicators. The following table shows these indicators function:

LED	COLOR	STATUS	STATUS DESCRIPTION
Power	Green	On	Power On
		Off	Power off
LINK/ ACT (1~16)	Green	On	A device is connected to the port
		Off	A device is disconnected to the port
		Flashing	Sending or receiving data
POE (1~8)	Orange	On	A Powered Device is connected to the port, which supply power successfully
		Off	No Powered Device connected to the port, or no power is supplied according to the power limits of the port
		Flashing	The POE power circuit current may be overloaded

2.2 Rear panel

Figure 1-2 shows the rear panel of the switch.



Ports :

These ports are connection points for PCs and other network devices, such as additional switches. PoE function only on port 1~8.

Power :

The power port is where you need to connect the power supply.

3.0 Connect Powered Device to the Switch

All ports of the switch have PoE power supply function. The maximum output power of each port can reach up to 15.4W. The total maximum power is 60W. It can make PD devices, such as internet phone, network camera, and wireless access point work. You only need to connect the switch PoE port directly to the PD port by network cable.

4.0 Switch Features and Specifications

Features:

- 8 port PoE function (port1-port8) and 16 port 10/100Mbps Auto-negotiation Fast Ethernet RJ45 ports (port1-port16)
- Compliant with 802.3af specification
- Supports PoE power up to 15.4W for each PoE port
- Supports total PoE power up to 60W for all PoE ports
- Supports PoE IEEE802.3af compliant Powered Device (PD)
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- 8K entry MAC address table of the switch with auto-learning and auto-aging
- LED indicators for monitoring power, link, activity, POE
- External power supply

Specifications:

Standards		IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af
Network Media (Cable)		10BASE-T: UTP category 5 cable (maximum 100m) 100BASE-T: UTP category 5, 5e cable (maximum 100m)
Number of Ports		16 x 10/100Mbps Auto-Negotiation ports
LED indicators	10/100M	Link/Act
	PoE	PoE
	Other	Power
Transfer Method		Store-and-Forward
PoE Power on RJ-45		Power+: pin 4 & pin 5, PoE mode B
		Power-: pin 7 & pin 8, PoE mode B
MAC Address Learning		Automatically learning, automatically Update
Frame Filtering and Forward Rate		10Mbps: 14880pps, 100Mbps: 148800pps
Dimensions (L x W x H)		156*118*46mm
Weight		515gr
Environment		Operating Temperature: 0°C~40°C Storage Temperature: -10°C~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing

5.0 Frequently Asked Questions and other related information

The latest Frequently asked questions for your product can be found on the support page of your product. Eminent will update these pages frequently to assure you have the most recent information. Visit www.eminent-online.com for more information about your product.

6.0 Service and support

This users manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please fill out the support form at the website www.eminent-online.com/support.

You can also contact us by phone. Please check www.eminent-online.com/support for the helpdesk phone number and opening hours.

7.0 Warning and points of attention



Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

Repairing of the device should be done by qualified Eminent staff. The warranty immediately voids when products have undergone self repair and/or by misuse. For extended warranty conditions, please visit our website at www.eminent-online.com/warranty.

**Tip: Eminent manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information.*

If you are experiencing any problems with the printed manual or you cannot find what you are looking for, please always check our website www.eminent-online.com first for the newest updated manual.

Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.

8.0 Warranty conditions

The five-year Eminent warranty applies to all Eminent products, unless mentioned otherwise before or during the moment of purchase. After buying a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. Eminent warranty applies to all Eminent products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than Eminent. Eminent may use refurbished materials for repair or replacement of your defective product. Eminent cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the Eminent networking product will keep working when settings are changed by the internet providers. Eminent cannot guarantee the working of web services, apps and other third party content that is available through Eminent products. Eminent products with an internal hard disk have a limited warranty period of two years on the hard disk. Eminent could not be held responsible for any data lost. Please make sure that if the product stores data on a hard drive or other memory source, you will make a copy before you return the product for repair.

When my product gets defective

Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.



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